BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Modified Estimate for Improvements Roads and Construction Culvert in Singapura Layout from Military Compound to Varadarajaswamy Layout in Ward No. 11 (Change of Work and Palce: Construction of Samudaya Bhavan to Senior Citizens near Hopcoms, Vidyaranyapura in Ward No. 9, Vidyaranyapura Sub Division).*

Estimated Cost:	***Rs. 10.00 Lakhs***
Tender Premium:	***Rs. 10.41 Lakhs***
Executed Cost:	***Rs. 10.40 Lakhs***

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YELAHANKA ZONE

Name of work: Modified Estimate for Improvements Roads and Construction Culvert in Singapura Layout from Military Compound to Varadarajaswamy Layout in Ward No. 11 (Change of Work and Palce: Construction of Samudaya Bhavan to Senior Citizens near Hopcoms, Vidyaranyapura in Ward No. 9, Vidyaranyapura Sub Division).

							Estimate Cost Rs.		**1040690.00**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-1.1 : Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressed as per specifications specification No KBS 2.1(a) / 2.3.1 **PWD SR 2013-14 Page No. 5 / Item No. 2.1**	Cum							
			1	10.00	20.00	0.15	30.00		
	Total Executed Qty						**30.00**	TP	
	Total Executed Qty upto 125%						**10.50**	130.00	**1365.00**
	Total Executed Qty Above 125%						**19.50**	151.28	**2950.00**
	PWD SR 2014-15 Basic Rate	136.00							
	Area Weightage @ 6%	8.16							
	Total	**144.16**							
	Tender Premium @4.94%	7.12							
	Total	**151.28**							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2013-14 Page Nol. 5/ Item No.2.4**	Cum							
	LW		2	20.25	0.75	0.75	22.78		
	SW		3	7.85	0.75	0.75	13.25		
	cross wall		2	4.45	0.75	0.75	5.01		
			1	0.65	0.75	0.75	0.37		
	Columns		12	2.00	2.00	1.65	79.20		
							120.60		
	Deduction for Columns		12	2.00	0.75	0.75	-13.50		
	Total Executed Qty						**107.10**	TP	
	Total Executed Qty upto 125%						**56.60**	230.00	**13018.00**
	Total Executed Qty Above 125%						**50.50**	272.53	**13763.00**
	PWD SR 2014-15 Basic Rate	245.00							
	Area Weightage @ 6%	14.70							
	Total	**259.70**							
	Tender Premium @4.94%	12.83							
	Total	**272.53**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC ement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14**	Cum							
	LW		2	20.25	0.75	0.15	4.56		
	SW		3	7.85	0.75	0.15	2.65		
	cross wall		2	4.45	0.75	0.15	1.00		
			1	0.65	0.75	0.15	0.07		
	Columns		12	2.00	2.00	0.15	7.20		
							15.48		
	Deductions for Columns		12	2.00	0.75	0.15	**-2.70**		
	Total Executed Qty						**12.78**	TP	
	Total Executed Qty upto 125%						**6.10**	4400.00	**26840.00**
	Total Executed Qty Above 125%						**6.68**	4992.29	**33348.00**
	PWD SR 2014-15 Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	**4757.28**							
	Tender Premium @4.94%	235.01							
	Total	**4992.29**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
	LW		2	20.10	0.60	0.60	14.47		
	SW		3	8.00	0.60	0.60	8.64		
	cross wall		2	4.60	0.60	0.60	3.31		
			1	0.80	0.60	0.60	0.29		
							26.71		
	Deduction for Columns		12	0.30	0.60	0.60	-1.30		
	Total Executed Qty						**25.42**	TP	
	Total Executed Qty upto 125%						**15.11**	3850.00	**58183.00**
	Total Executed Qty Above 125%						**10.30**	3951.12	**40710.00**
	PWD SR 2014-15 Basic Rate	3552.00							
	Area Weightage @ 6%	213.12							
	Total	**3765.12**							
	Tender Premium @4.94%	186.00							
	Total	**3951.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with cement mortar **1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
	LW		2	19.95	0.60	0.60	14.36		
	SW		3	8.15	0.60	0.60	8.80		
	cross wall		2	4.75	0.60	0.60	3.42		
			1	0.95	0.60	0.60	0.34		
							26.93		
	Dedution For Columns		12	0.45	0.23	0.45	-0.56		
	Total Executed Qty						**26.37**	TP	
	Total Executed Qty upto 125%						**7.76**	4450.00	**34543.00**
	Total Executed Qty Above 125%						**18.61**	4678.60	**87053.00**
	PWD SR 2014-15 Basic Rate	4206.00							
	Area Weightage @ 6%	252.36							
	Total	**4458.36**							
	Tender Premium @4.94%	220.24							
	Total	**4678.60**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 **(Page No .6 / Item No. 2.10) PWD SR 2013-14**	Cum							
	Total Executed Qty		Qty Vide Item No. 2				**107.10**	TP	
	Total Executed Qty upto 125%						**56.60**	115.00	**6509.00**
	Total Executed Qty Above 125%						**50.50**	122.36	**6179.00**
	PWD SR 2014-15 Basic Rate	110.00							
	Area Weightage @ 6%	6.60							
	Total	**116.60**							
	Tender Premium @4.94%	5.76							
	Total	**122.36**							
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 120 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
			2	19.95		0.60	23.94		
			2	9.05		0.60	10.86		
	Total Executed Qty						**34.80**	TP	
	Total Executed Qty upto 125%						**16.35**	90.00	**1472.00**
	Total Executed Qty Above 125%						**18.45**	95.66	**1765.00**
	PWD SR 2014-15 Basic Rate	86.00							
	Area Weightage @ 6%	5.16							
	Total	**91.16**							
	Tender Premium @4.94%	4.50							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**95.66**							
8	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 32 / Item No. 6.17 / PWD SR 2013-14**	Cum							
			Not Executed					6150.00	
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Column Footings		12	2.00	2.00	0.75	36.00		
	column		12	0.60	0.30	1.35	2.92		
	Plinth		2	19.70	0.20	0.45	3.55		
			2	8.40	0.20	0.45	1.51		
	Total Executed Qty						**43.97**	TP	
	Total Executed Qty upto 125%						**38.35**	5800.00	**222430.00**
	Total Executed Qty Above 125%						**5.62**	6247.04	**35133.00**
	PWD SR 2014-15 Basic Rate	5616.00							
	Area Weightage @ 6%	336.96							
	Total	**5952.96**							
	Tender Premium @4.94%	294.08							
	Total	**6247.04**							
10	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix **M20 with OPC cement @ 24kgs,** with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 15 / Item No. 4.19 / PWD SR 2013-14**	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	W			Not Executed				450.00	
11	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT Bars Fe 550**	Qntl							
	For Roof, Columns Beams @ 125 Kg / Cum		1.25	43.97			54.97		
	Total Executed Qty						**54.97**	TP	
	Total Executed Qty upto 125%						**47.96**	7600.00	**364515.00**
	Total Executed Qty Above 125%						**7.01**	8214.81	**57545.00**
	PWD SR 2014-15 Basic Rate	7385.00							
	Area Weightage @ 6%	443.10							
	Total	**7828.10**							
	Tender Premium @4.94%	386.71							
	Total	**8214.81**							
12	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mo	Sqm						
				Not Executed				855.00	
13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar **1:3, to ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2013-**	Sqm							
				Not Executed				185.05	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRB 15.3.11 :Providing **20mm thick cement plaster in single coat with cement mortar 1:4,** stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.19 / PWD SR 2013-14 (Inside wall)**	Sqm							
				Not Executed				200.00	
15	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / I. 15.33 PWD SR - 2013-**	Sqm							
				Not Executed				28.00	
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2013-14 (Out side Wall)**	Sqm							
				Not Executed				175.00	
17	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14**	Cum							
				Not Executed				300.00	
18	KSRB 14.10-1 : Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. **(P.112 / I.14.15 PWD SR - 2013-14).**	Sqm							
				Not Executed				1100.00	
19	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.16 / I.4.29) PWD**	Sqm							
				Not Executed				290.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for **chajjas** corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17 / Item No. 4.37/ PWD SR 2013-14**	Sqm							
				Not Executed				250.00	
21	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28 / PWD SR 2013-14**	Sqm							
	Column		12	7.20		0.75	64.80		
			12	1.80		1.35	29.16	TP	
	Plinth		4	19.70		0.45	35.46		
			4	8.40		0.45	15.12		
	Total Executed Qty						**144.54**	TP	
	Total Executed Qty upto 125%						**99.03**	225.00	**22281.00**
	Total Executed Qty Above 125%						**45.52**	243.61	**11088.00**
	PWD SR 2014-15 Basic Rate	219.00							
	Area Weightage @ 6%	13.14							
	Total	**232.14**							
	Tender Premium @4.94%	11.47							
	Total	**243.61**							
22	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page**	Sqm							
				Not Executed				3900.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
23	"Supplying and fixing pressed **steel window frame** of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S grills as per design and drawings using 12mm dia roads at 100mm centre to centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S flats with 16mm size lugs, and 8nos, of 100mm size hinger, 4nos of butt stay pins and 4nos, tower bolts and shutters half paneled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100 mm width and rails of 30mm thick and 100 mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat	Sqm							
								4300.00	
24	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2013-14 Page No. 124 / Item No. 15.49**	Sqm							
				Not Executed				65.00	
25	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2013-14 (P.127 / I.15.53.2) with Primer**	Cum							
				Not Executed				80.00	
	PART - 2 SANITARY								
26	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 82 / Item No. 12.23 PWD SR 2013-14**	Unit							
				Not Executed				3800.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
27	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes [illegible]gs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/(**Page No.100 / Item No. 13.68 PWD SR**	Rmtr							
				Not Executed				170.00	
28	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 273/ Item No. 37.58 PWD SR 2013-14**	L							
				Not Executed				7.00	
29	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, **Page No. 96 / Item No. 13.24 / PWD SR 2013-14**	Each							
				Not Executed				200.00	
30	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. **Page No. 115 / Item No. 14.33 / PWD SR 2013-14**	Sqm							
				Not Executed				900.00	
31	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 116 / Item No. 14.41.1 / PWD SR 2013-14**	Sqm							
				Not Executed				950.00	
32	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 52/ Item No. 8.18 / PWD SR 2013-14**	m							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
				Not Executed				460.00	
33	Square Tank Cover "ISI" marked 24'x24x pf 100kg in weight Page No. XXXI)	L/S		Not Executed				5400.00	
	PART - 3 ELECTRICAL AND FITTINGS								
34	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary KPWD SR 2010-11 (P-2,I-3)	Mtrs							
	32 mm dia 2.5mm thick			Not Executed				70.00	
35	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. KPWD SR 2010-11 (P-3, I-6)	Each							
	10"X7"X3" (300X228X76mm)			Not Executed				70.00	
	8"X6"X3" (300X228X76mm)			Not Executed				55.00	
36	Supplying and fixing PVC/metal conduit accessories special type Junction Box (I. 5/P. 3) KPWD SR 2010-11	Each							
	32 mm Junction Box			Not Executed				30.00	
	Deep 32 mm Junction Box			Not Executed				35.00	
	Fan Box 18 /SWG			Not Executed				60.00	
37	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet KPWD SR 2010-11 (P.3/I.8)	Each							
	Point Wiring using Class A Materials								
	a) Short point upto 3Mtr from tapping point to out let via switch			Not Executed				180.00	
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch			Not Executed				260.00	
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch			Not Executed				370.00	
38	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box KPWD SR 2010-11 (P-7, I-17)	Each							
	1 to 3 Modular			Not Executed				85.00	
	8 Modular			Not Executed				175.00	
39	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18)	Each							
	6Amps one way.			Not Executed				96.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	6Amps 3way Socket.			Not Executed				165.00	
	Stepped Fan Regulator			Not Executed				520.00	
40	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube KPWD SR 2010-11 (P.16/I.2)								
	Group 'A'	Each		Not Executed				380.00	
41	Supplying of Incandescent lamps KPWD SR 2010-11 (P.44/I.22)								
	B.C. 100Watts			Not Executed				15.00	
42	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2010-11 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard	Each							
	56" Sweep (1400 mm)			Not Executed				2000.00	
43	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box KPWD SR 2010-11 (P.9/I.19)	Each							
	Group A			Not Executed				630.00	
44	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13, I.2)	No							
				Not Executed				60.00	
45	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)	Each							
				Not Executed				560.00	
46	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc KPWD SR 2010-11 (P,32/I.2)								
	20"x20"x2.5"			Not Executed				285.00	
47	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete KPWD SR 2010-11 (P.30/I.3)								
	32 Amps			Not Executed				100.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia KPWD SR 2010-11 (P.68/I.1)	No							
			Not Executed					1950.00	
49	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above (Page No. 56 Item No. 5a) KPWD SR 2010-11 Item No. 65 / Page No. 5 c)	Mtr							
	c) 6 Sqmm		Not Executed					45.00	
								Total	**1040690.00**

(Rupees Ten Lakhs Fourty Thousand Six Hundred and Ninety Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14 & PWD SR 2014-15+Tender Premium.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
W-09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Modified estimate is Approved

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92

Technical Sanction for Rs. 1040690.00/10.00
"Modified"
Ten lakhs Forty Thousand Six hundred & Ninety only.
Registered as BR No. 63 Subject to conditions contained in the Work Order
No: 376 Dt. 12/02/15
AE/JE
EE (BTP.Div.)